



COPY OF PAPERS
ORIGINALLY FILED

2631

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
OLSSON ET AL.

Serial No. **09/147,230**

Confirmation No. **1417**

Filing Date: **February 9, 1999**

For: **IMPROVEMENTS IN OR RELATING
TO SYNCHRONISATION**

) Examiner Dung Nguyen

) Art Unit: 2631

) Attorney Docket: 54300

RECEIVED

JUN 24 2002

Technology Center 2600

PRELIMINARY AMENDMENT

Director, U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Prior to the calculation of fees and
examination of the present application, please enter the
amendments and remarks set out below.

In the Specification:

Replace the paragraph beginning at page 5, line
24 through page 6, line 3, with the following rewritten
paragraph:

-- Said slope of said argument function, α_k , may
be estimated from the equation

$$\alpha_k = \frac{1}{N} \sum_n L \frac{(X_{n,k}) / (Y_{n,k})}{n}$$

where N is the number of active carriers and $(X_{n,k}) / (Y_{n,k})$
is the unwrapped argument function for the nth carrier in
the kth frame. --

Replace the paragraph beginning at page 6, line
4 through page 6, line 9, with the following rewritten
paragraph: